

## CONTRIBUTING STAKEHOLDERS

### UATAR Australia

Unmanned Aerospace Technologies Applications Research Program

By Bill Mellor, Chairman



#### UATAR WG34 – UAV OPERATOR ALLIANCE

**Type of Entity** Advisory group without legal structure  
**Participation** Light and Small UAS Operators (6 members as of March 2008)  
**Launched** March 2008  
**Location** Brisbane, Australia

#### General Goals

- Contribute to increasing awareness of Small UAS capabilities
- Contribute and support International and National efforts in Civil UAS access to National Air Space
- Contribute to developing a Civil UAS industry
- Assist International and National UAS working groups with operational UAS experience input
- Provide commercial clients and end-user community opportunity to evaluate and test UAS technology
- Provide commercial pathways for Civil UAS technologies

#### Scope

- Provide a central repository of UAS capabilities
- WG collective has the diversity to offer helicopter, fix wing, electric, heavy fuel, short to medium endurance UAV platforms
- Provide full spectrum of UAS flight services for research, trial and commercial projects
- Contribute to the creation of a International and National Civil UAS industry and market

#### Activities

- Real-time and near real-time airborne data collection
- Multi-spectral imaging services
- Surveillance and monitoring
- UAS training
- Licensed UAS Flight services as per CASA Operating Certificates

#### Representation

- V-TOL Aerospace Pty Ltd
- Aerocam Australia Pty Ltd
- UAV Systems Pty Ltd
- Skyview Solutions Pty Ltd
- S&B Aircraft Pty Ltd
- Locktar Systems Pty Ltd



#### Advantages

- One stop shop for UAS customers with complete 'turn-key' support
- Ability to offer competitive UAS solutions via multiple platform concepts
- Central skill base with ability to team and network
- Quality control of standards and operations via collective group

#### UAS Capabilities (Operational)

- 2 x Lightweight electric powered fixed wing UAV with high resolution fixed sensor, 30 minutes endurance, autonomous control, 3km



- range.
- 3 x Lightweight electric powered minuteman UAV with PTZ gimbal, IR, colour camera options, autonomous control, 40-60 minutes endurance, 5km range.
- 2 x Lightweight petrol powered remote controlled helicopter Line-Of-Sight, High resolution still photography colour camera or colour digital video camera, 20 minutes endurance.
- 1 x Lightweight heavy fuel fixed wing UAV, nose mounted PTZ gimbal with digital colour video camera, in addition two wing-mounted high resolution digital cameras for still photographic shots, catapult launched, autonomous control, 4hr endurance, 10km range.
- 1 x medium range heavy fuel fix wing UAV, belly mounted PTZ gimbal with digital colour camera, autonomous control, 8hr endurance, 100km range, conventional runway launch & recovery.
- 1 x UAS support vehicle equipped with separate 240v power supply, 2 x computer work stations for UAS ground control stations, VHF Air band radio, UHF ground band radio, 2.4Ghz data link, 900Mhz data link, UAS field repair station and trailer equipped with catapult launcher, UAS storage bins, spare parts and UAS ground support equipment.

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